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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	TBA
Filing Date	September 8, 2003
First Named Inventor	Mark COOPER
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	003659.00029

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
SL		EP 1031626	08/30/2000	Erbacher, et al.		
SL		WO 97/30731	08/28/1997	Lollo, et al.		
SL		WO 98/46274	10/28/1998	Burgess, et al.		
SL		WO 98/19710	05/14/1998	Schacht, et al.		

Examiner Signature	/Scott Long/	Date Considered	07/26/2006
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SL		Aberle, et al., "The counterion influence on cationic lipid-mediated transfection of plasmid DNA", Biochimica et Biophysica Acta, 1996, pages 281-283, Elsevier Science B.V.	
		Allison, et al., "Mechanisms of Protection of Cationic Lipid-DNA Complexes During Lyophilization", Journal of Pharmaceutical Sciences, 2000, pages 682-691, vol. 89, no. 5, Wiley-Liss, Inc., & American Pharmaceutical Association.	
		Choi, et al., "Lactose-Poly (ethylene Glycol)-Grafted Poly-L-Lysine as Hepatoma Cell-Targeted Gene Carrier", Bioconjugate Chem., 1998, pages 708-718, vol. 9, American Chemical Society.	
		Cortesi, et al., "Effect of DNA Complexation and Freeze-Drying on the Physicochemical Characteristics of Cationic Liposomes", Antisense & Nucleic Drug Development, 2000, pages 205-215, vol. 10, Mary Ann Liebert, Inc.	
		Katayose, et al., "Remarkable Increase in Nuclease Resistance of Plasmid DNA through Supramolecular Assembly with Poly (ethylene glycol)-Poly (L-lysine)", Journal of Pharmaceutical Sciences, 1998, vol. 87, no. 2, American Chemical Society and American Pharmaceutical Association.	
		Katayose, et al., "Water-Soluble Polyion Complex Associates of DNA and Poly (ethylene glycol)-Poly (L-lysine) Block Copolymer", Bioconjugate Chem., 1997, pages 702-707, American Chemical Society.	
		Kilcher, et al., "Influence of the DNA Complexation Medium on the Transfection Efficiency of Liposomes/DNA Particles", Gene Therapy, 1998, pages 855-860, vol. 5, MacMillan Press LTD., Basingstoke, Great Britain.	
		Kwok, et al., "Strategies for Maintaining the Particle Size of Peptide DNA Condensates Following Freeze-Drying", International Journal of Pharmaceutics, 2000, pages 81-88, vol. 203, no. 1-2, Elsevier Science B.V.	
		Li, et al., "Lyophilization of Cationic Lipid-Protamine-DNA (LPD) Complexes", Journal of Pharmaceutical Sciences, 2000, pages 355-364, vol. 89, no. 3, Wiley-Liss, Inc., & American Pharmaceutical Association.	
		Noel, et al., "High Compacted DNA – Polymer Complexes Via New Polynorbornene Polycationic Latexes With Acetate Counterion", SCISEARCH Database, 2000, pages 8980-8983, vol. 16, no. 23, American Chemical Society, Washington, D.C.	
		Paxon, et al., "The Effect of Lyophilization on Plasmid DNA Activity", Pharmaceutical and Development Technology, 2000, pages 115-122, vol. 5, no. 1, Marcel Dekker, Inc.	
		Toncheva, et al., "Novel vectors for gene delivery formed by self-assembly of NDA with poly (L-lysine) grafted with hydrophilic polymers", Biochimica et Biophysica Acta, 1998, pages 354-368, Elsevier Science B.V.	
		Vinogradov, et al., "Self-Assembly of Polyamine-Poly (ethylene glycol) Copolymers with Phosphorothioate Oligonucleotides", Bioconjugate Chem., 1998, pages 805-812, vol. 9, American Chemical Society.	
		Serres, et al., "DNA Condensation and Transfection of Cells in Culture by a New Polynorbornene Polycationic Polymer, Langmuir 1999, pages 6956-6950, Vol. 15, American Chemical Society	
		Wagner, et al., "Direct Evidence for Counterion Release upon Cationic Lipid- DNA Condensation, Langmuir 2000, pages 303-306, Vol. 16, American Chemical Society	
✓		Marschall, et al., "Transfer of YACs up to 2.3 Mb intact into human cells with polyethylenimine, Gene Therapy, 1999, pages 1634-1637, Vol. 6	

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